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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/671,055	09/28/2000	Vijay K. Gajjala	MSFT-0180/138333.1	7632
41505	7590	07/25/2005	EXAMINER	
WOODCOCK WASHBURN LLP ONE LIBERTY PLACE - 46TH FLOOR PHILADELPHIA, PA 19103			REAGAN, JAMES A	
			ART UNIT	PAPER NUMBER
			3621	

DATE MAILED: 07/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/671,055

Applicant(s)

GAJJALA ET AL.

Examiner

James A. Reagan

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 June 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3,5-9,11-15,23-25,27-31,33-37,45-47,49-53 and 55-59 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3,5-9,11-15,23-25,27-31,33-37,45-47,49-53 and 55-59 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

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DETAILED ACTION

Status of Claims

1. This action is in response to the RCE filed on 10 June 2005 and amendment filed on 11 April 2005.
2. Claims 1, 23 and 45 have been amended.
3. Claims 10, 32 and 54 have been cancelled.
4. Claims 1-3, 5-9, 11-15, 23-25, 27-31, 33-37, 45-47 and 49-53 and 55-59 are pending and have been examined.

RESPONSE TO ARGUMENTS

5. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 1-3, 5-9, 11-15, 23-25, 27-31, 33-37, 45-47 and 49-53 and 55-59 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stefik et al. (US 5,634,012), in view of Ginter et al.

(US 5,892,900), in view of Biddle et al. (US 200210107809 A1), and further in view of Peinado et al. (US 6,772,340 B1).

Examiner's note: Examiner has pointed out particular references contained in the prior art of record in the body of this action for the convenience of the Applicant. Although the specified citations are representative of the teachings in the art and are applied to the specific limitations within the individual claim, other passages and figures may apply. Applicant, in preparing the response, should consider fully the *entire* reference as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner.

Claims 1, 23, 45:

Stefik discloses a fee accounting mechanism for reporting fees associated with the distribution and use of digital works (Stefik: Abstract; Figs 1-2, associated text; C4, L12-19, as well as column 45, "Distribution Scenarios"). Ginter discloses a Virtual Distribution Environment (VDE) wherein digital property may be distributed via a tightly controlled "chain of distribution and control", from creator to distributor, retailer, license administrator, to user; this VDE system may also incorporate certification authorities, banks and financial institutions, as well as multiple content repositories, all securely communicating with each other over a distributed network. Each communication to and from the nodes of the network comprises a VDE "object", in which content, permissions governing the use of said content, budgets, node identification, transaction identification, and other pertinent information may be incorporated in order to tightly control the distribution and use of the content (Ginter: Abstract; Background and Summary of the Invention; Figs 1-5, 78-79, associated text). Biddle discloses a system for licensing management of digital property wherein a creator/vendor (Applicant's "licensor") may work with a distributor (Applicant's "retailer") to distribute software to users. In order to use this software, the user is required to obtain a license, either directly from the licensor or via the distributor (Biddle: Abstract; Summary

of the Invention; Page 3, Par. 17, Figs 1-2, associated text). The combination of Stefik, Ginter, and Biddle therefore discloses the following limitations:

- *receiving, by the retailer from the customer, payment for the license, the payment to be shared with the licensor in a pre-determined manner;*
- *obtaining, by the retailer from the customer, customer-based information (Stefik: C13, L11-23, L51-58: "repository identifier");*
- *composing, by the retailer, an actual license request including the obtained customer-based information, and including retailer-based information identifying the retailer to the licensor and acknowledging to the licensor that the retailer owes a portion of the received payment to the licensor, and forwarding, by the retailer to the licensor, the actual license request.*

It would have been obvious to one ordinarily skilled in the art at the time the invention was made to have combined the teachings of Stefik, Ginter, and Biddle to arrive at a system and method comprising all the limitations of claims 1, 23, and 45. Such a system would provide a secure, trusted method for a retailer to distribute protected digital property to users and control the revenue owed to the retailer, while accurately accounting for the revenue it in turns owes to the creator/licensor of the product.

With regard to the limitations of:

- *forwarding, by the retailer to the licensor, the actual license request;*
- *issuing the digital license to the customer;*
- *the customer has a digital rights management (DRM) system to ensure that the content is rendered in accordance with the license, wherein obtaining the customer-based information comprises:*
- *delivering, by the retailer to the customer, a dummy package having license acquisition information containing a site identifier for an interposing site controlled by the retailer, the dummy package absent any functional portion of the corresponding piece of digital content;*

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- *delivering, by the retailer to the customer, a controller that can control the DRM system of the customer, wherein such controller directs such DRM system to send a dummy license request for a license for the dummy package, the dummy license request being directed to the site identifier for the interposing site controlled by the retailer according to the license acquisition information in the dummy package; and*
- *receiving, by the retailer at the interposing site from the customer, the dummy license request including customer-based information, and wherein composing the actual license request comprises modifying, by the retailer, the dummy license request to add the retailer-based information;*

Peinado , however, in at least column 3, lines 24+; column 18, line 41+ "License Acquisition" discloses a black box which communicated with a web site and license server to request and authorized license for the application. It would have been obvious to one of ordinary skill in the art at the time of the invention to combine Peinado with Stefik, Ginter, and Biddle because "...a need exists for a trusted component running on the computing device, where the trusted component enforces the rights of the content owner on such computing device in connection with a piece of digital content, even against attempts by the user of such computing device to access such digital content in ways not permitted by the content owner. As but one example, such a trusted software component prevents a user of the computing device from making a copy of such digital content, except as otherwise allowed for by the content owner thereof." (Peinado: column 2, lines 43-53).

Claims 2, 24, 46:

The combination of Stefik/Ginter/Biddle/Peinado discloses all the limitations of claims 1, 23, 45. Stefik/Ginter/Biddle/Peinado do not specifically disclose *the customer has a digital rights management (DRM) system to ensure that the content is rendered in accordance with the license, the method comprising obtaining the customer based information by a request directed to*

the DRM system of the customer. However, both Stefik and Ginter further describe secure environments within their user devices (Stefik: Figs 4b, 12; associated text; Ginter: Fig 6, associated text). Therefore it would have been obvious to one ordinarily skilled in the art at the time the invention was made to have ensured that a system configured to encrypt/decrypt and render the protected digital property distributed should be made tamper proof, so that unauthorized access and use can be prevented.

Claims 3, 25, 47:

The combination of Stefik/Ginter/Biddle/Peinado discloses all the limitations of claims 2, 24, 46. Stefik/Ginter/Biddle/Peinado do not specifically disclose *obtaining the customer-based information by delivering a controller to the customer that directs the DRM system of the customer to send the customer-based information to the retailer.* However, Biddle further discloses downloading a Java applet to manage the interactions between the user system, the licensor, and the retailer (Biddle: Page 11, Par. 93). Therefore, it would have been obvious to one ordinarily skilled in the art at the time the invention was made to have incorporated the capability for causing the user DRM system to provide the user information whenever a request for license is made. This would uniquely identify the user to the retailer and provide reliable authentication for the license request.

Claims 5, 27, 49:

The combination of Stefik/Ginter/Biddle/Peinado discloses all the limitations of claims 4, 26, 48. Stefik/Ginter/Biddle/Peinado do not specifically disclose *the dummy license request contains a content ID identifying the dummy package, the method comprising modifying the dummy license request to change the content ID to a content ID identifying an actual package having actual content corresponding to the to-be-issued license.* However, both Stefik and Ginter further disclose that their systems allow a retailer/distributor to securely modify digital transmissions in many different ways, so that permissions/requests/authorizations may be

changed, as long as the authoring system is allowed to do so (see all above Stefik and Ginter citations). Therefore, it would have been obvious to one ordinarily skilled in the art at the time the invention was made to provide the further limitations of these claims, so that (1) the retailer's server knows what content the user is trying to license and (2) the server forwards a correspondingly accurate license request to the licensor. Such a method would allow keeping "actual" license identifiers even more secure, thus preventing unauthorized requests from being sent to the licensors directly from the users.

Claims 6, 28, 50:

The combination of Stefik/Ginter/Biddle/Peinado discloses all the limitations of claims 4, 26, 48. Stefik/Ginter/Biddle/Peinado do not specifically disclose *receiving the dummy license request including customer information comprising a customer secret*. However, all three references cited disclose the use of private/public key encryption and user passwords (Applicant's "customer secret" for authentication of user requests (see all above citations). Therefore, it would have been obvious for one ordinarily skilled in the art to use one of the "secrets" taught by the references in further securing the authenticity of the request for licensing coming from a potential customer.

Claims 7, 29, 51:

The combination of Stefik/Ginter/Biddle/Peinado discloses all the limitations of claims 4, 26, 48. Stefik/Ginter/Biddle/Peinado do not specifically disclose *delivering a controller that directs the DRM system to send a license request for the dummy package by commanding that the dummy package be played*. However, Ginter further discloses that his VDE object may include programming code in the permissions records that will be executed ("played") as part of the authorization/authentication process (see Ginter references cited above). Therefore, it would have been obvious to one ordinarily skilled in the art at the time the invention was made to incorporate such an application in a transmission from a retailer to a user, thus causing an

automatic response from the user system for a request for license to be created and returned. This would negate the need for any intervention from the user, making the system more secure and attractive.

Claims 8, 30, 52:

The combination of Stefik/Ginter/Biddle/Peinado discloses all the limitations of claims 4, 26, 48. Stefik/Ginter/Biddle/Peinado do not specifically disclose *delivering the controller comprises downloading such controller to the customer*. However, Biddle further discloses that executable applets may be downloaded to the user's system to effect actions required for the continued transaction between retailer, user, and licensor (see claim 3 above). Using the same obviousness and motivation analysis as claims 3 and 7 above, the combined references therefore meet the further limitations of these claims.

Claims 9, 31, 53:

The combination of Stefik/Ginter/Biddle/Peinado discloses all the limitations of claims 8, 30, 52. Stefik/Ginter/Biddle/Peinado do not specifically disclose *delivering the controller comprises downloading such controller to the customer as part of a page such as an HTML web page*. However, Biddle further discloses that the applet may be delivered via a Web page (see Biddle citation used in claim 3 above). It would have been obvious to one ordinarily skilled in the art at the time the invention was made to include this feature, in order to take advantage of the continued growth and popularity of the Internet for the delivery of digital content.

Claims 11, 33, 55:

The combination of Stefik/Ginter/Biddle/Peinado discloses all the limitations of claims 4, 26, 48. Stefik/Ginter/Biddle/Peinado do not specifically disclose *delivering, to the customer, a dummy package having no corresponding license, wherein the sending of the dummy license request results at least in part from the lack of a corresponding license*. However, Biddle further

discloses the use of demo licenses (see above claims). It would have been obvious to one ordinarily skilled in the art at the time the invention was made to use such a dummy license request in case a corresponding license is not available yet, i.e. the product has not been finalized. The customer may still send in a request for a full license, which will be delivered at a later date; this way, the customer may pre-order or reserve the product now, thus improving the chance of getting the sale for the product.

Claims 12, 34, 56:

The combination of Stefik/Ginter/Biddle/Peinado discloses all the limitations of claims 1, 23, 45. Stefik/Ginter/Biddle/Peinado do not specifically disclose *forwarding the actual license request to a license server*. However, all three references further disclose that licenses may be obtained from servers belonging to licensors (see all above citations).

Claims 13, 35, 57:

The combination of Stefik/Ginter/Biddle/Peinado discloses all the limitations of claims 1, 23, 45. Stefik/Ginter/Biddle/Peinado do not specifically disclose *composing the actual license request to include retailer-based information comprising a retailer ID identifying the retailer*. However, all three references further disclose that communications from each participant in their systems require the participant's unique ID (see all above citations). Therefore it would have been obvious for one ordinarily skilled in the art at the time the invention was made to ensure that a retailer's ID would be included in any request for product licensing, for proper authorization, authentication, and accounting.

Claims 14, 36, 58:

The combination of Stefik/Ginter/Biddle/Peinado discloses all the limitations of claims 1, 23, 45. Stefik/Ginter/Biddle/Peinado do not specifically disclose *composing the actual license request to include retailer-based information comprising a secret that proves to the licensor that*

the retailer actually authorized issuance of a license by such licensor. However, all three references further disclose using public/private key encryption systems to authenticate each participant in their systems. Biddle further discloses that a distributor/retailer may be the one authorizing a creator/vendor to license products to be distributed by the distributor/retailer (see all above citations). Therefore it would have been obvious to one ordinarily skilled in the art at the time the invention was made to have incorporated in the license request a retailer's "secret", so that only with an authorization from that retailer would a licensor deliver the requested license.

Claims 15, 37, 59:

The combination of Stefik/Ginter/Biddle/Peinado discloses all the limitations of claims 1, 23, 45. Stefik/Ginter/Biddle/Peinado do not specifically disclose *comprising receiving, from the customer, a selection of the content.* However, Biddle further discloses that the user may select different features or content (Biddle: Figs 22, 25, associated text; Page 7-8, Par. 71). Therefore, it would have been obvious to one ordinarily skilled in the art at the time the invention was made to have included this feature, to make the service more attractive to the user by providing choices of content to license.

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Any inquiry of a general nature or relating to the status of this application or concerning this communication or earlier communications from the Examiner should be directed to **James A. Reagan** whose telephone number is **571.272.6710**. The Examiner can normally be reached on Monday-Friday, 9:30am-5:00pm. If attempts to reach the examiner by telephone are unsuccessful, the Examiner's supervisor, **James Trammell** can be reached at **571.272.6712**. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://portal.uspto.gov/external/portal/pair>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at **866.217.9197** (toll-free).

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21 July 2005

